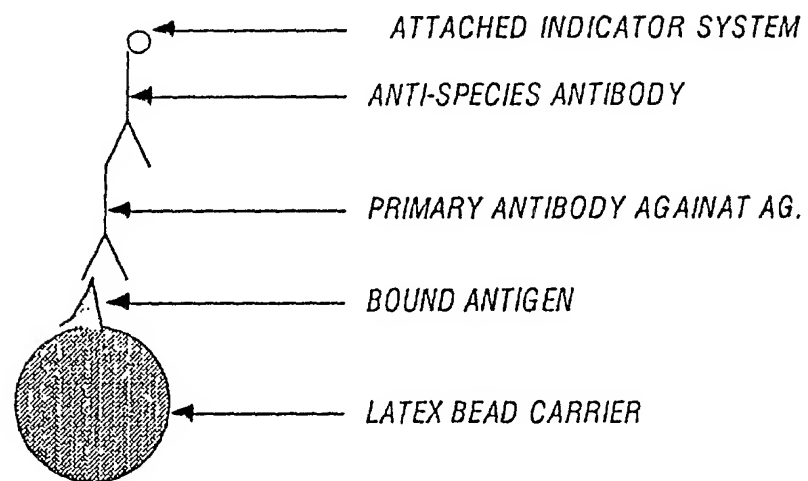


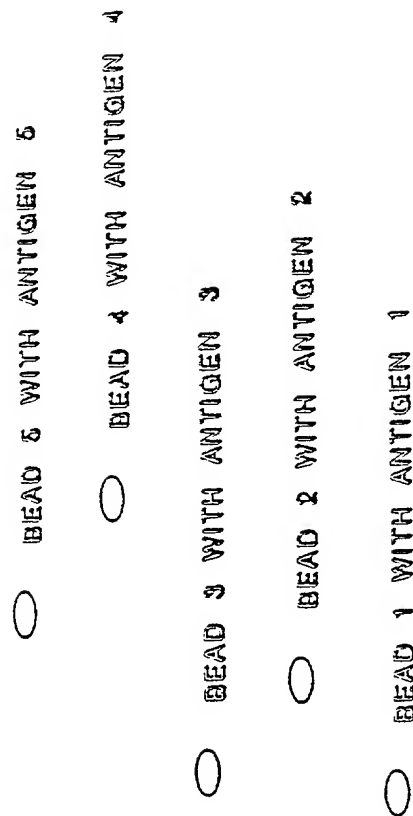
FIGURE 1 - BEAD DETECTION SYSTEM



1003434-124201  
T0303T 4E4E200T

FIGURE 2

POSITIVE CONTROL



(SIZE)  
FALS

1 10 100 1000  
FLUORESCENCE INTENSITY

FOOTPRINT REPORT

FIGURE 3  
NEGATIVE CONTROL

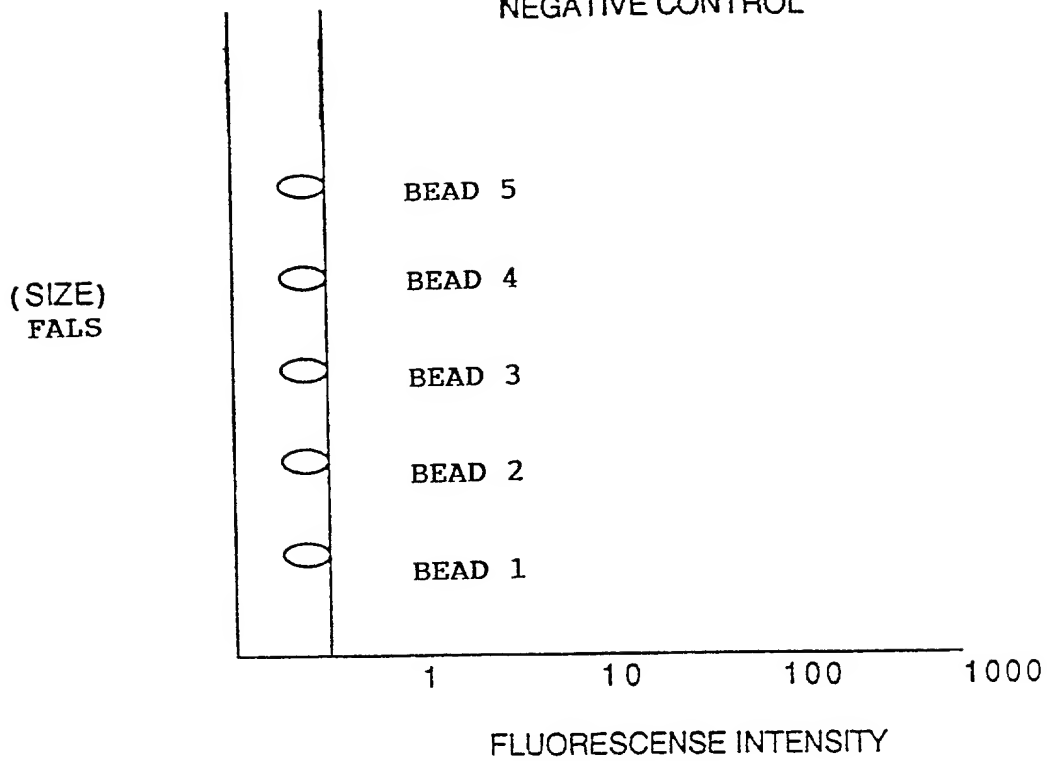
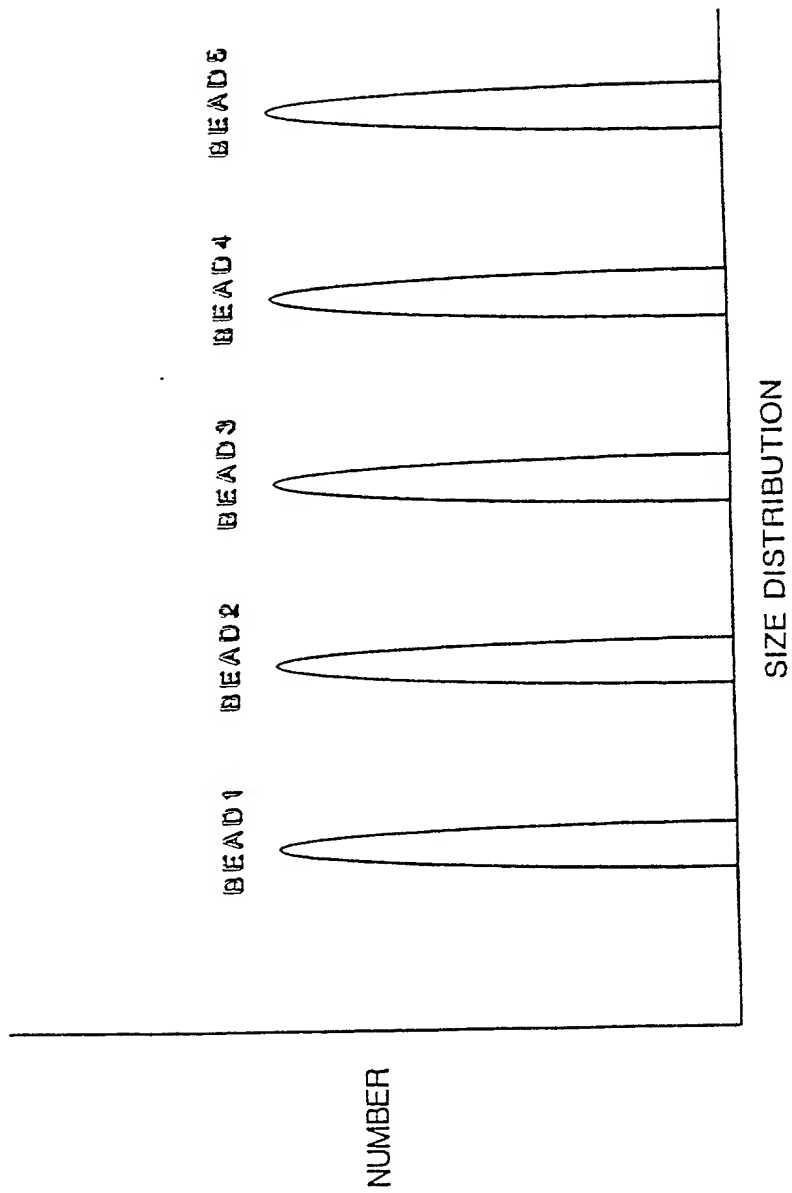


FIGURE 4



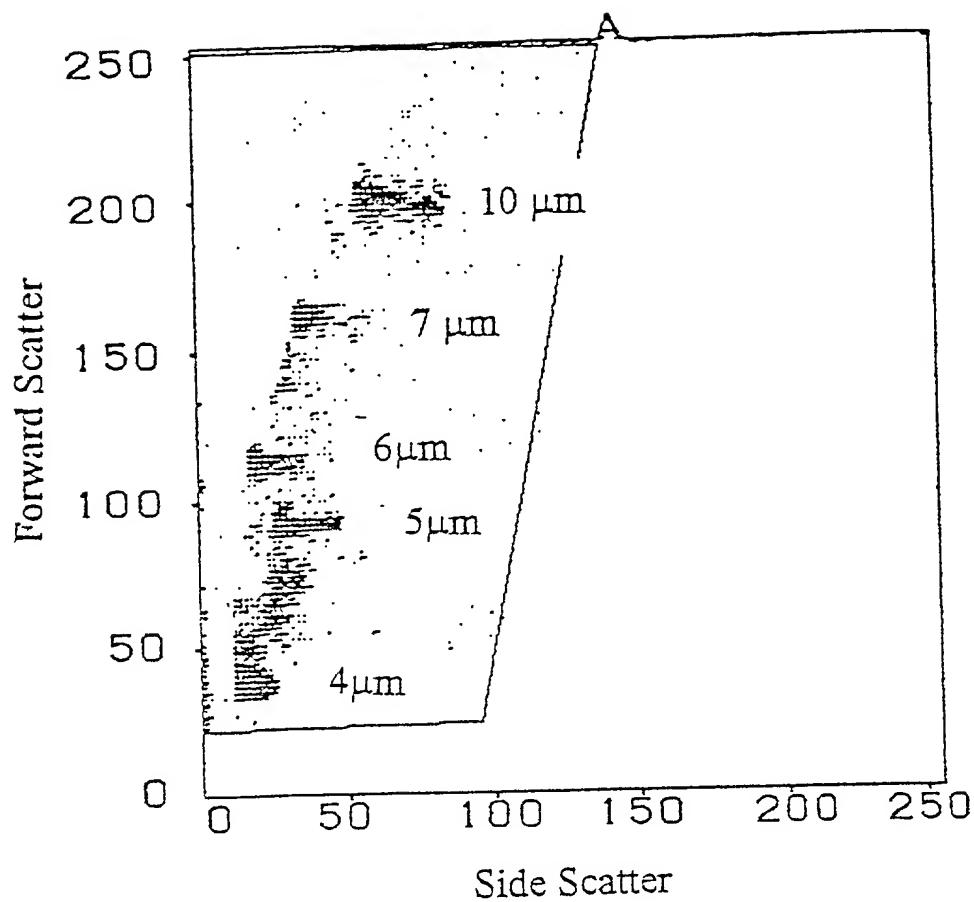


Fig. 5 Microspheres of different sizes (4,5,6,7, and 10  $\mu\text{m}$ ) as seen with flow cytometer forward and side ( $90^\circ$ ) light scatter.

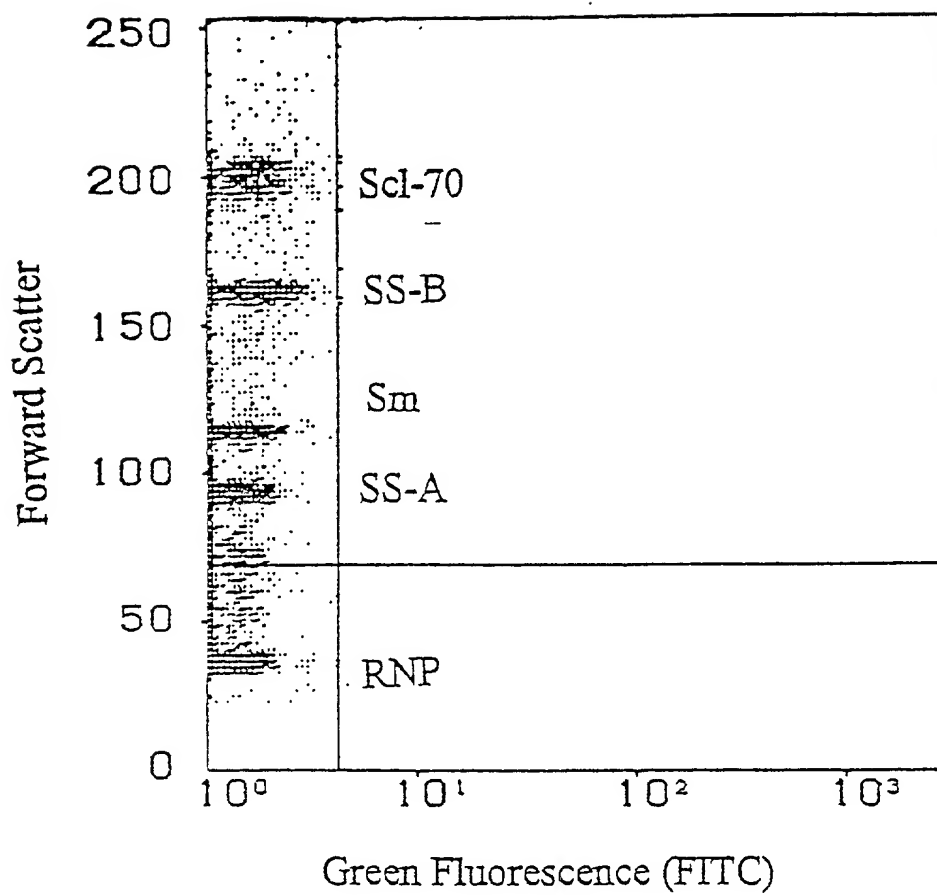


Fig. 6 Antigen labeled microspheres incubated with negative serum.

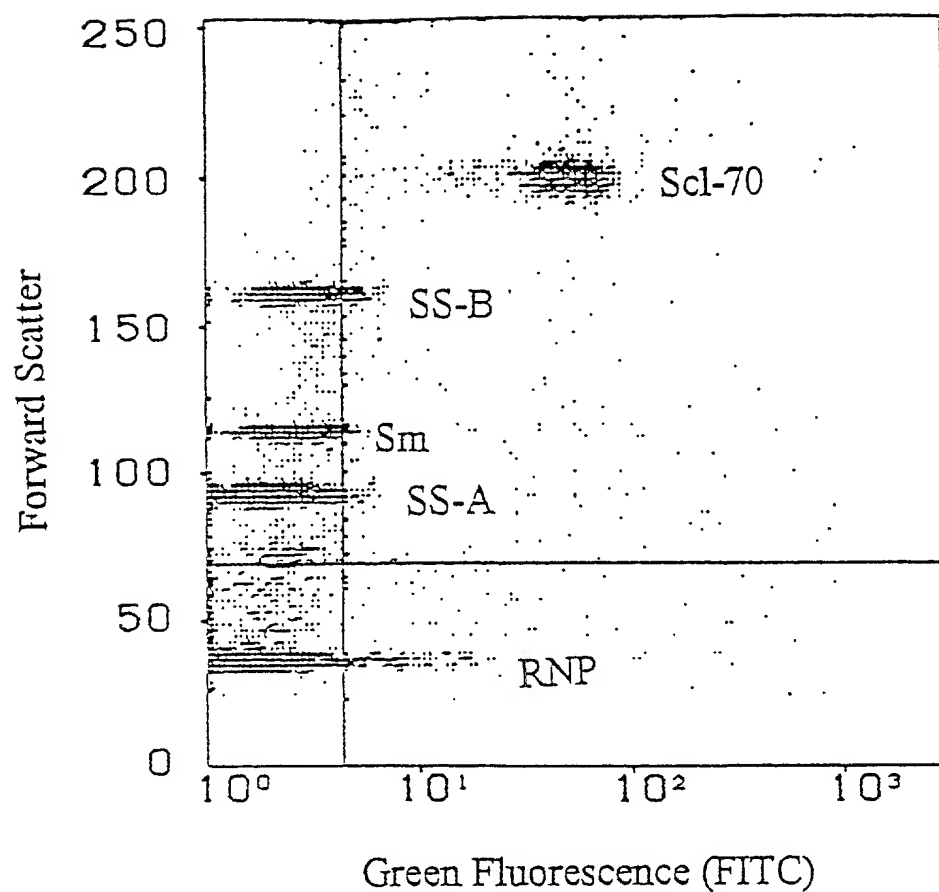


Fig. 7 Antigen labeled microspheres incubated with a serum containing antibody to Scl-70 but negative for antibodies to the four other antigens.

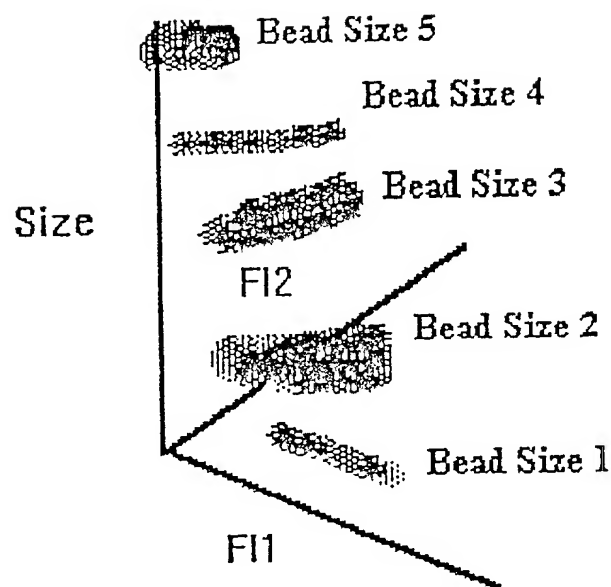


Fig. 8 Multi-color Bead Analysis using size and fluorescence



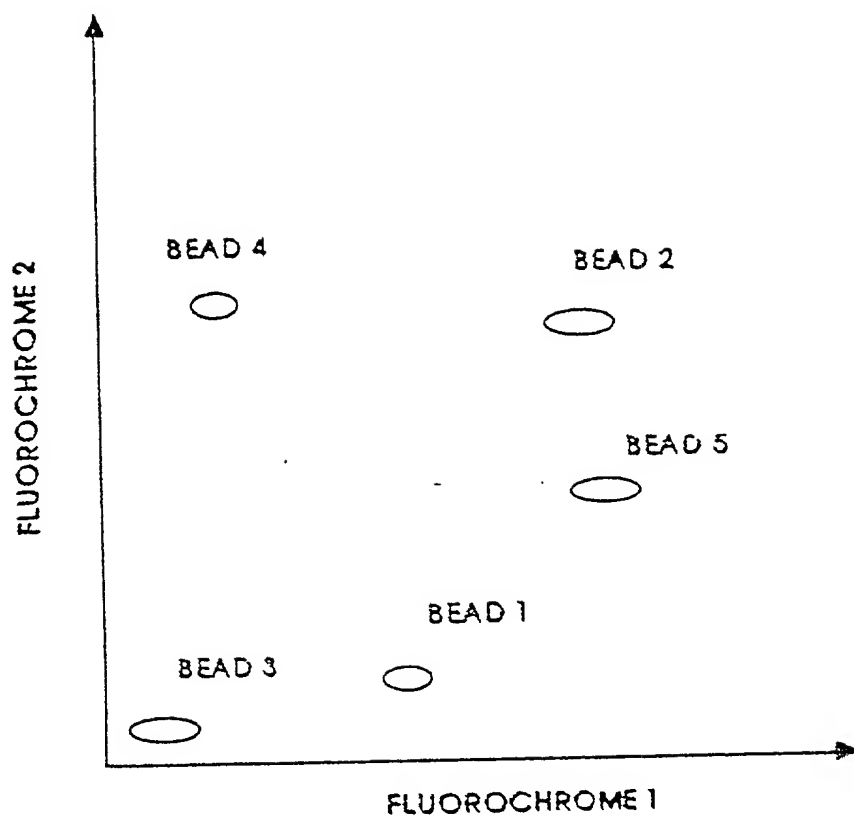


Fig 9 Schematic presentation illustrating combination of different bead sizes with two different fluorochromes for two color flow cytometry. Differences in bead sizes not shown, but would be seen in three dimensional plot.